

FIG. 1
(Prior Art)

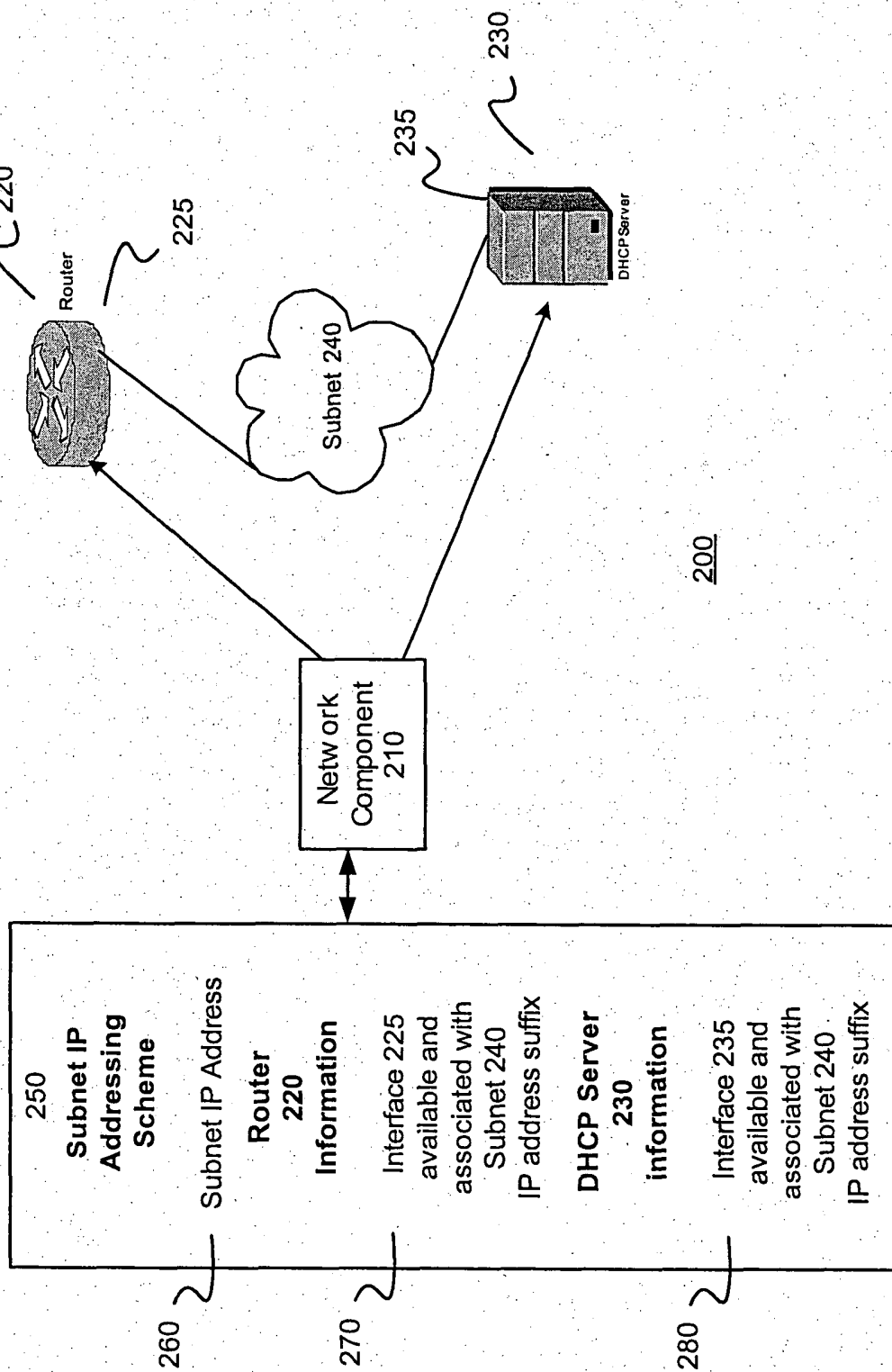


FIG. 2

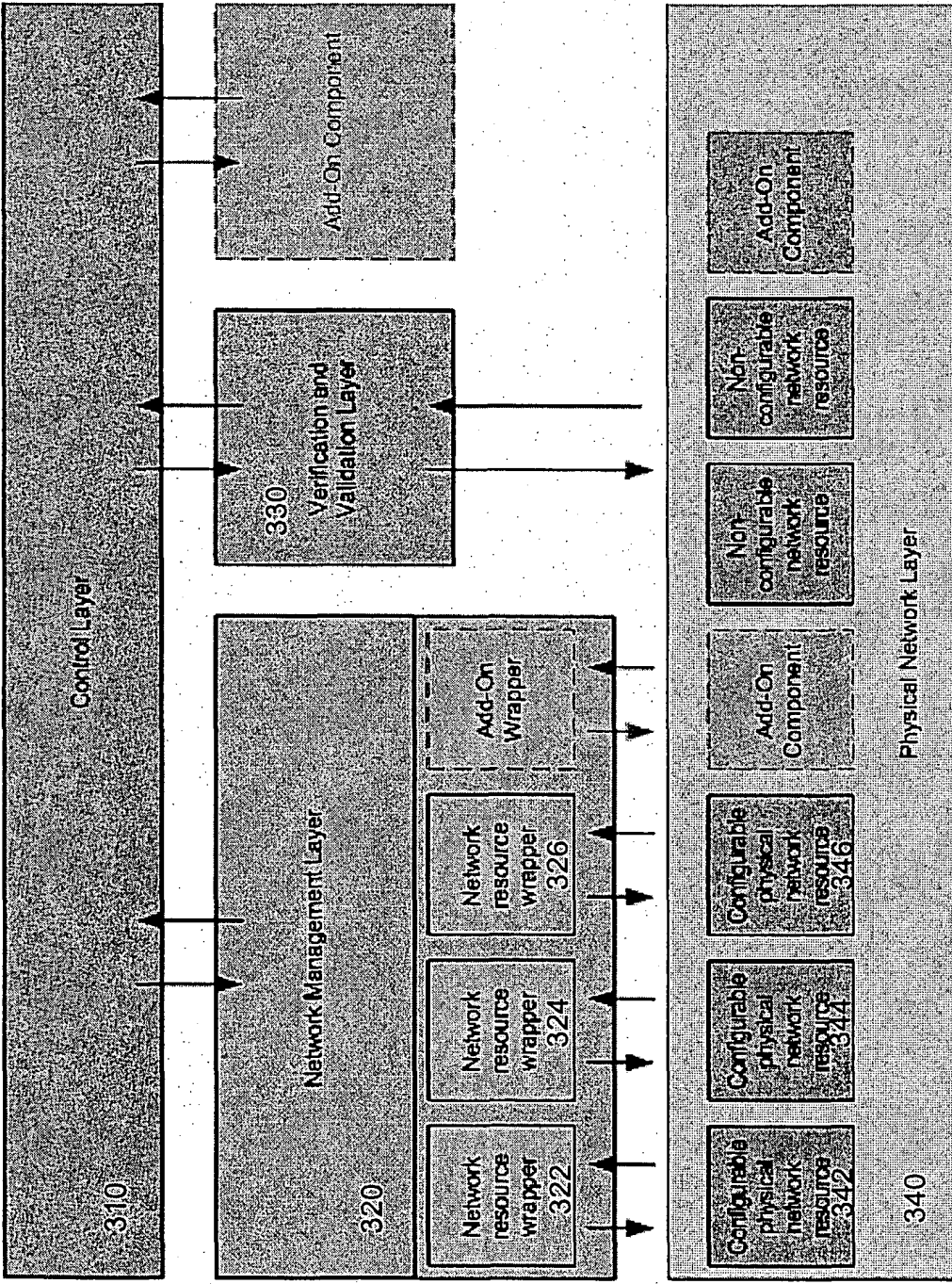


FIG. 3

402 } **[Dynamic Network Devices]**

 { ## DeviceName OS(WIN2K|WINXP_PRO)
 ## MAC_Address Subnet_suffix Card_type

404 } **[Non-Dynamic Network Devices]**

 #StaticDevName IPAddr1 ... IPAddrN

406 } **[Power Management Devices]**

 ## HomeAddress (A-P)
 ## DeviceCode (1-16) AssociatedDevice

408 } **[Hubs]**

 ##HubName
 ##AssociatedDevicesName

410 } **[VLAN Configuration]**

 ##switchName switchIp switchPassword controlPort
 ## Port Num (list of ports)
 ## AssociatedDevice (list of devices)

412 } **[Routers]**

 { ## routerName password controllIP
 ## interfaceType interface suffix

414 } **[DHCP Servers]**

 ## dhcpServerName password controllInterface controlAddress subnet
 ## interface ipSuffix subnetMask routerSuffix

416 } **[Addressing Scheme]**

 ## prefixType prefix

505

Subnet1

Data data data...

TopologyType1

Data data data...

Device1

Data data data

PotentialMovement1

...

PotentialMovementN

...

DeviceN

Data data data

PotentialMovement1

...

PotentialMovementN

500

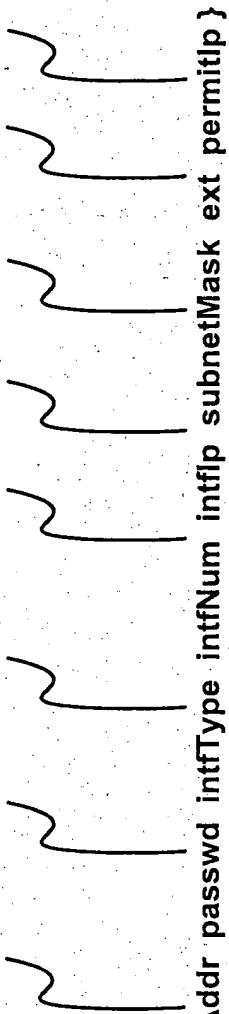
...

SubnetN

...

FIG. 5

605 610 615 620 625 630 635 640



600

FIG. 6

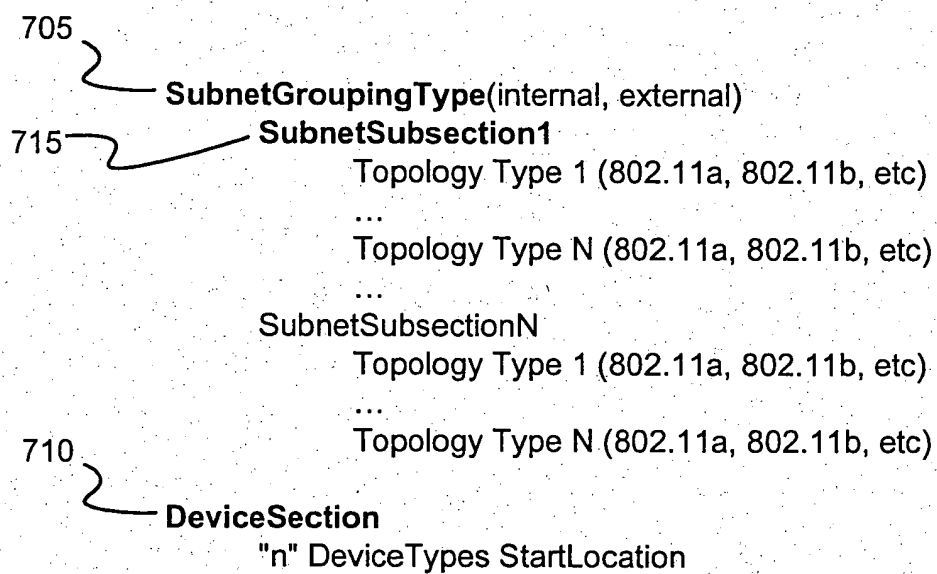


FIG. 7

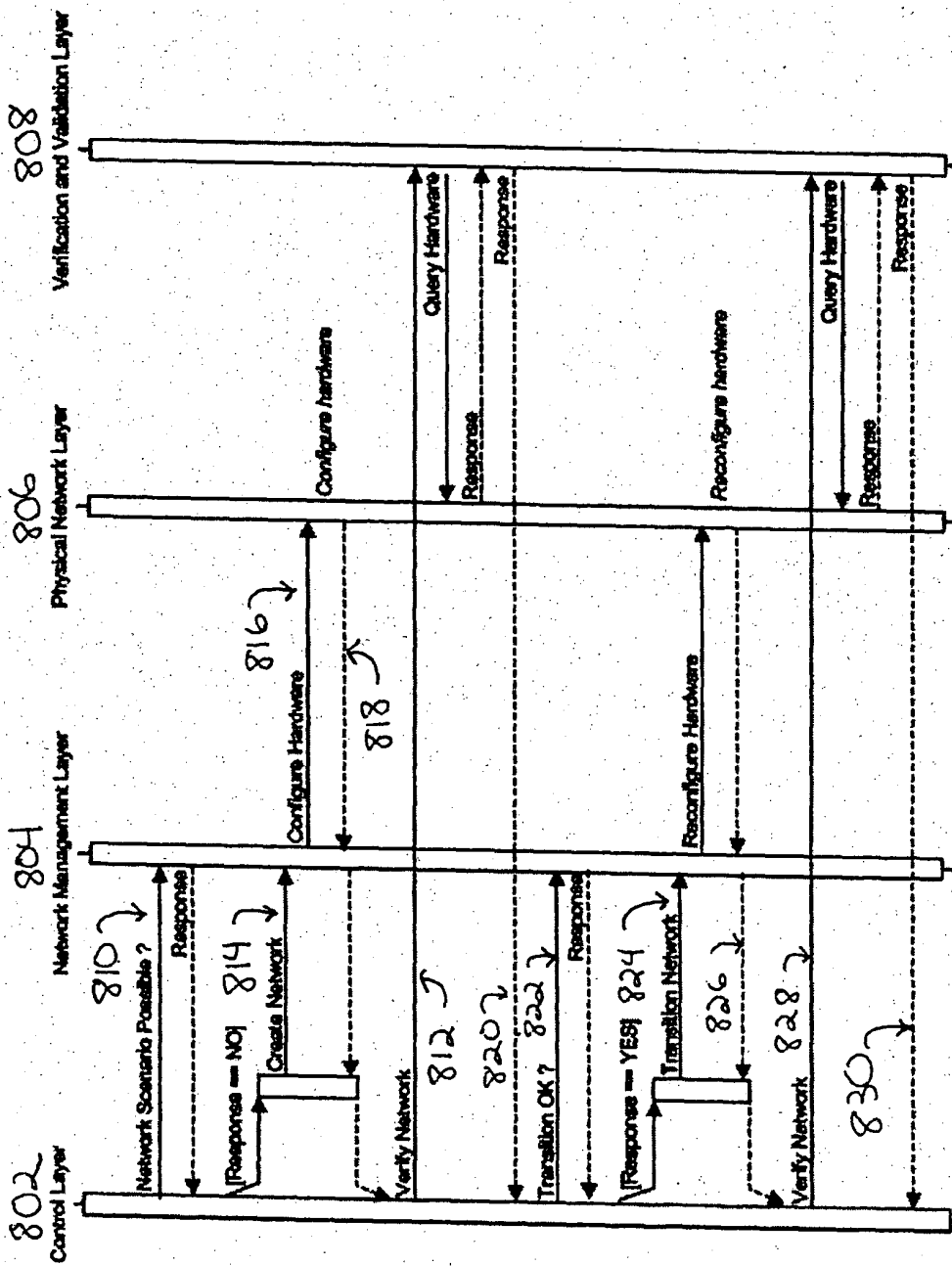


FIG. 8

800

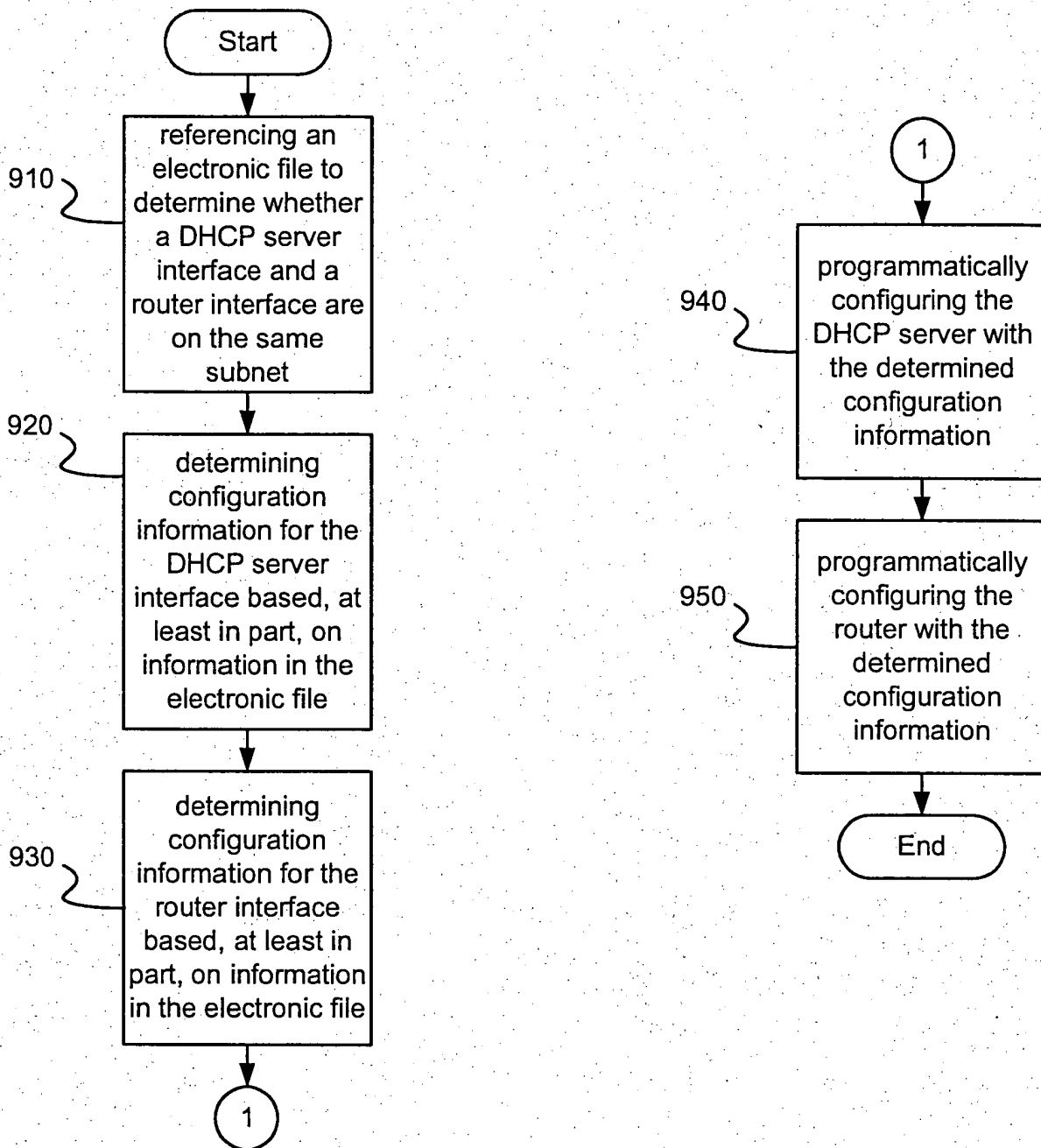


FIG. 9

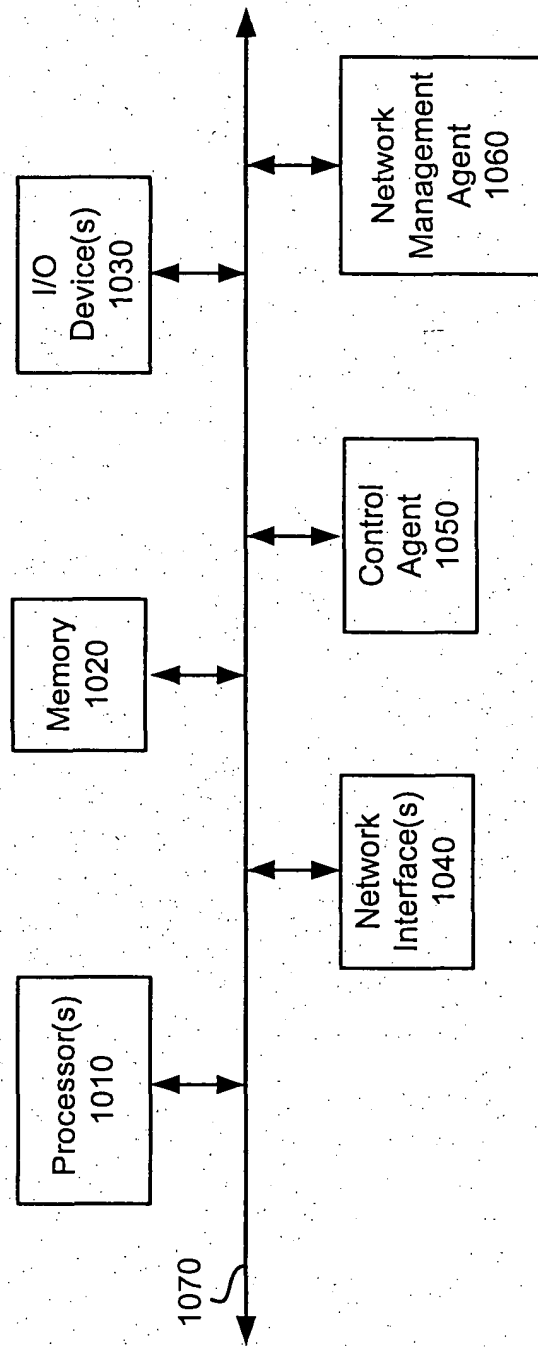


FIG. 10

